## STIC Biotechnology Systems Branch

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/567,168
Source:	IFWP.
Date Processed by STIC:	2/10/06
<del>-</del>	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



**IFWP** 

RAW SEQUENCE LISTING DATE: 02/10/2006
PATENT APPLICATION: US/10/567,168 TIME: 09:45:50

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\02102006\J567168.raw

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3 <110> APPLICANT: National Institute of Advanced Industrial Science and Technology
              Takaqi, Yasuomi
      6 <120> TITLE OF INVENTION: A method for efficient preparation of dumbell-shaped DNA
      8 <130> FILE REFERENCE: FP-041PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/567,168
C--> 11 <141> CURRENT FILING DATE: 2006-02-03
     13 <150> PRIOR APPLICATION NUMBER: JP P2003-206905
     14 <151> PRIOR FILING DATE: 2003-08-08
                                                                  Does Not Comply
Corrected Diskette Needed
     16 <160> NUMBER OF SEQ ID NOS: 25
     18 <170> SOFTWARE: PatentIn Ver. 2.1
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     21 <211> LENGTH: 245
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     31 aatacgtgac gtagaaagta ataatttctt gggtagtttg cagttttaaa attatgtttt 180
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DATE: 02/10/2006

TIME: 09:45:50

Input Set : A:\PTO.RJ.txt Output Set: N:\CRF4\02102006\J567168.raw 65 <213> ORGANISM: Artificial Sequence 67 <220> FEATURE: 68 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA 70 <400> SEQUENCE: 4 see p. 6 for ever explanation W--> 71 gg/n/tgg/n/lgg /n/tgg 74 <210> SEQ ID NO: 5 75 <211> LENGTH: 15 76 <212> TYPE: DNA 77 <213> ORGANISM: Artificial Sequence 79 <220> FEATURE: 80 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA 82 <400> SEQUENCE: 5 same eur W--> 83 gghtgghnng ghtgg 15 86 <210> SEQ ID NO: 6 87 <211> LENGTH: 16 88 <212> TYPE: DNA 89 <213> ORGANISM: Artificial Sequence 91 <220> FEATURE: 92 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA 94 <400> SEQUENCE: 6 same w--> 95 ggntggnnnn) ggntgg 16 98 <210> SEQ ID NO: 7 99 <211> LENGTH: 17 100 <212> TYPE: DNA 101 <213> ORGANISM: Artificial Sequence 103 <220> FEATURE: 104 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA 106 <400> SEQUENCE: 7 W--> 107 ggntggnnnn nggntgg 17 110 <210> SEQ 1D NO: 8 111 <211> LENGTH: 15 112 <212> TYPE: DNA 113 <213> ORGANISM: Artificial Sequence 115 <220> FEATURE: 116 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA 118 <400> SEQUENCE: 8 15 119 ggcgttcggg gggta 122 <210> SEQ ID NO: 9 123 <211> LENGTH: 63 124 <212> TYPE: DNA 125 <213> ORGANISM: Artificial Sequence 127 <220> FEATURE: 128 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA 130 <400> SEQUENCE: 9 131 ggctatgtct aggagtgtac ctagaattac atcaagggag atggtgcgct cctggacgta 60 132 gcc 135 <210> SEQ ID NO: 10 136 <211> LENGTH: 53 137 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/567,168

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Output Set: N:\CRF4\02102006\J567168.raw

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RAW SEQUENCE LISTING DATE: 02/10/2006
PATENT APPLICATION: US/10/567,168 TIME: 09:45:50

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\02102006\J567168.raw

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282 acaccggcta tgtctaggag tgtacctaga attacatcaa gggagatggt gcgctcctgg 360



RAW SEQUENCE LISTING DATE: 02/10/2006 PATENT APPLICATION: US/10/567,168 TIME: 09:45:50

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\02102006\J567168.raw

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VARIABLE LOCATION SUMMARY PATENT APPLICATION: US/10/567,168

DATE: 02/10/2006 TIME: 09:45:51

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\02102006\J567168.raw

IM Galaratur

## Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:4; N Pos. 3,7,8,11

Seq#:5; N Pos. 3,7,8,9,12

Seq#:6; N Pos. 3,7,8,9,10,13

Seg#:7; N Pos. 3,7,8,9,10,11,14

## VERIFICATION SUMMARY

DATE: 02/10/2006 TIME: 09:45:51 PATENT APPLICATION: US/10/567,168

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\02102006\J567168.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:71 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:4 L:71 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:4 L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0 L:83 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:5 L:83 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:5 L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0 L:95 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:6 L:95 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:6 L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0 L:107 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:7 L:107 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:7 L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 L:338 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:4 L:339 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25 L:339 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:4 L:342 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25 L:342 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:4 L:343 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25 L:343 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:4